

What the invention claimed is:

1. A centrifugal force-activated signal light assembly comprising

an electrically conductive casing, said casing
5 comprising a base, a cylindrical chamber perpendicularly
upwardly extended from said base, an outer thread extended
around the periphery of said cylindrical chamber, a locating
groove inside said cylindrical chamber, and a bottom screw hole
at the center of a bottom side of said base for fastening to a
10 vehicle wheel;

an electrically insulative battery holder shaped like a
stub tube mounted in the locating groove inside said cylindrical
chamber of said casing, said battery holder having an annular
inside flange suspended in a bottom open side thereof;

15 an electrically conducting conical spring suspended
from said battery holder inside said cylindrical chamber, said
conical spring having a top side of relatively greater diameter
fastened to the annular inside flange of said battery holder and a
bottom side of relatively smaller diameter spaced below said
20 battery holder at a distance;

an electrically conducting weight fastened to the bottom
side of said conical spring and suspended in said cylindrical

chamber below said battery holder;

a set of battery cells mounted in said cylindrical chamber and supported on said conical spring, and connected in series with one terminal thereof disposed in contact with said
5 conical spring;

an electrically conducting cover covered on said casing, said cover having an inner thread threaded onto the outer thread of said casing and a reflector provided at a top side thereof and curved inwards, said reflector having a center hole; and

10 a circuit board mounted inside said cover, said circuit board comprising a light emitting member extended out of the center hole of said reflector, said light emitting member having a first pole connected to said cover and a second pole adapted to contact one terminal of said battery cells for enabling electricity
15 to be transmitted from said battery cells to said light emitting member upon movement of said casing with the vehicle wheel in which said casing is installed.

2. The centrifugal force-activated signal light assembly as claimed in claim 1, further comprising ring cushion mounted
20 in between said battery cells and said circuit board to space the second pole of said light emitting member from the corresponding terminal of said battery cells at a distance.

3. The centrifugal force-activated signal light assembly as claimed in claim 1, wherein said casing and said cover are respectively molded from plastics and electroplated with a layer of electrically conducting material.

5 4. A centrifugal force-activated signal light assembly comprising:

an electrically conductive casing, said casing comprising a base, a cylindrical chamber perpendicularly upwardly extended from said base, an outer thread extended
10 around the periphery of said cylindrical chamber, a locating groove inside said cylindrical chamber, and a bottom screw hole at the center of a bottom side of said base for fastening to a vehicle wheel;

an electrically insulative battery holder shaped like a
15 stub tube mounted in the locating groove inside said cylindrical chamber of said casing, said battery holder having an annular inside flange suspended in a bottom open side thereof;

an electrically conducting conical spring suspended from said battery holder inside said cylindrical chamber, said
20 conical spring having a top side of relatively greater diameter fastened to the annular inside flange of said battery holder and a bottom side of relatively smaller diameter spaced below said

battery holder at a distance;

an electrically conducting weight fastened to the bottom side of said conical spring and suspended in said cylindrical chamber below said battery holder;

5 a set of battery cells mounted in said cylindrical chamber and supported on said conical spring, and connected in series with one terminal thereof disposed in contact with said conical spring;

 an electrically conducting cover covered on said casing,
10 said cover having an inner thread threaded onto the outer thread of said casing and a reflector provided at a top side thereof and curved inwards, said reflector having a center hole; and

 a circuit board mounted in said cover, said circuit board comprising a plurality of light emitting semiconductor chips
15 extended out of the center hole of said reflector, said light emitting chips each having a first pole connected to said cover and a second pole disposed in contact with one terminal of said battery cells for enabling electricity to be transmitted from said battery cells to said light emitting semiconductor chips upon
20 movement of said casing with the vehicle wheel in which said casing is installed, and photosensitive switch means adapted to detect the intensity of surrounding light and to control the

operation of said light emitting semiconductor chips subject to the intensity of surrounding light upon movement of said casing with the vehicle wheel in which said casing is installed.

5 5. The centrifugal force-activated signal light assembly
as claimed in claim 4, wherein said casing and said cover are
respectively molded from plastics and electroplated with a layer
of electrically conducting material.

6. The centrifugal force-activated signal light assembly
as claimed in claim 4, further comprising a transparent glue
10 covered on said reflector of said cover over said light emitting
semiconductor chips and said photosensitive switch means.